

SOLID STATE AREA LIGHTING

LCKM SERIES-VLED

S P E C I F I C A T I O N S

HOUSING

Heavy cast low copper aluminum assembly (A356 alloy, <0.2% copper). Minimum wall thickness is .188". Traditional styling of the housing provided with cast aluminum housing top hinges for easy access.

VLED® OPTICAL MODULE

Low copper A356 alloy (<.2% copper) cast aluminum housing. Integrated clear tempered 3/16" glass lens sealed with a continuous silicone gasket protects emitters (LED's) and emitter Reflector-Prism optics, and seals the module from water intrusion and environmental contaminants. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Each emitter is optically controlled by a Reflector-Prism injection molded from H12 acrylic (3 types per module; one from 0° - 50°; one from 50° - 65°; one from 65° - 72°). Each Reflector-Prism has indexing pins for aiming and is secured to an optical plate made of matte black anodized aluminum. The optical plate locates every Reflector-Prism over an emitter. Reflector-Prisms are secured to the optical plate with a UV curing adhesive. The Reflector-Prisms are arrayed to produce IES Type II, III, IV, and V-SQ distributions. The entire Optical Module is field rotatable in 90° increments. Both module and drivers are factory wired using water resistant, insulated cord. Lens, module and drivers are field replaceable.

LED EMITTERS

High Output LED's are driven at 350mA for nominal 1 Watt output each or 525mA for nominal 1.5 Watt output each. LED's are available in standard Neutral White (4000K), or optional Cool White (5000K) or Warm White (3000K). Consult Factory for other LED options.

LED DRIVER

UL and CUL recognized High Power Factor, Constant Current LED drivers operate on input voltages from 120-277VAC, 50/60hz. Consult Factory for 347-480VAC. Driver is mechanically fastened to a retaining bracket. Main power quick disconnect provided. Driver has a minimum 4KV of internal surge protection, 10KV & 20KV Surge Protector optional. Dimming and High-Low Driver options available.

FINISH

Electrostatically applied TGIC Polyester Powder Coat on substrate prepared with 20 PSI power wash at 140°F. Four step iron phosphate pretreatment for protection and paint adhesion. 400°F bake for maximum hardness and durability. Texture finish is standard.

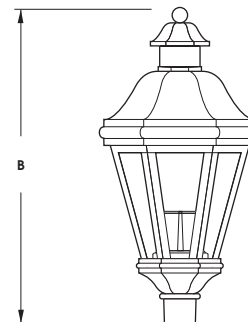
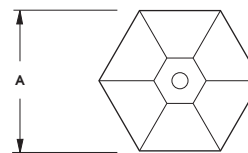
PROJECT NAME: _____

PROJECT TYPE: _____



LCKM

PATENT PENDING



Fitter supplied to fit over 2 7/8" X 3"
(73mm X 76mm) tennon.

FIXTURE	A	B
LCKM1	20.5" 521mm	40" 1016mm
LCKM2	17" 432mm	35.5" 902mm



FULL CUTOFF OPTICS
-DARK SKY FRIENDLY-

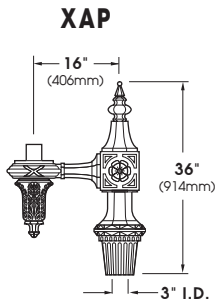
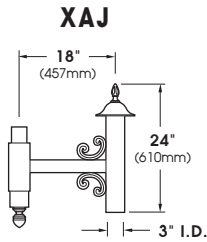
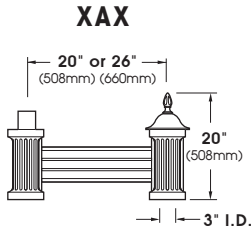


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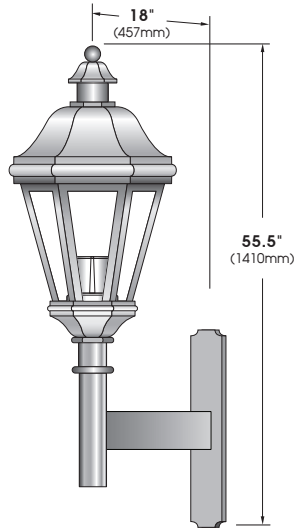
S P E C I F I C A T I O N S

MOUNTING STYLES

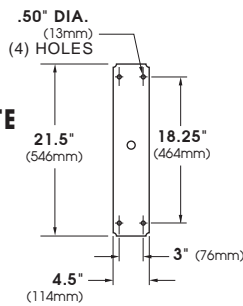


ARMS ARE HEAVY WALL EXTRUDED ALUMINUM CONSTRUCTION. FOR ADDITIONAL ARM OPTIONS SEE ARM SECTION.

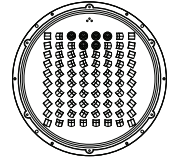
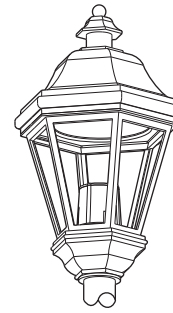
WALL MOUNT



ARM BRACKET EXTRUDED AND CAST ALUMINUM CONSTRUCTION.

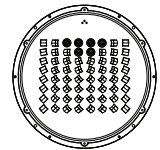


VLED® MODULES



80 LED Module

LCKM1 E.P.A. = 2.15
Available in:
80, 64, & 48
LED Module



64 LED Module

LCKM2 E.P.A. = 1.61
Available in:
64 & 48
LED Module

MAX INPUT WATTAGE

# OF LED's	DRIVE CURRENT	
	350mA	525mA
80	91W	130W
64	70W	105W
48	53W	79W

O R D E R I N G I N F O R M A T I O N

LUMINAIRE	OPTICS	# of LED's	COLOR	VOLTAGE	MOUNTING	FINISH	OPTIONS
LUMINAIRE	OPTICS	LED		MOUNTING	FINISH	OPTIONS	
<input type="checkbox"/> LCKM1	<input type="checkbox"/> VLED - II (Type-II)	LCKM1	<input type="checkbox"/> NW (4000K)*	<input type="checkbox"/> 120	<input type="checkbox"/> PT	<input type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> INTERNAL HOUSE SIDE SHIELDS... HS
<input type="checkbox"/> LCKM2	<input type="checkbox"/> VLED - III (Type-III)	<input type="checkbox"/> 80LED (89 Watts)	<input type="checkbox"/> CW (5000K)	<input type="checkbox"/> 208	<input type="checkbox"/> 1	<input type="checkbox"/> WHITE RAL-9003-T	<input type="checkbox"/> EXTERNAL HOUSE SIDE SHIELD... EHS
	<input type="checkbox"/> VLED - IV (Type-IV)	<input type="checkbox"/> 64LED (72 Watts)	<input type="checkbox"/> WW (3000K)	<input type="checkbox"/> 240	<input type="checkbox"/> 2-180	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> DIMMABLE DRIVER(S) (0-10V)... DIM
	<input type="checkbox"/> VLED - VSQ (Type-VSQ)	<input type="checkbox"/> 48LED (53 Watts)	OTHER LED COLORS AVAILABLE CONSULT FACTORY	<input type="checkbox"/> 277	<input type="checkbox"/> 2-90	<input type="checkbox"/> DARK BRONZE RAL-8019-T	<input type="checkbox"/> HIGH-LOW DIMMING FOR HARDWIRED SWITCHING OR NON-INTEGRATED MOTION SENSOR... HLSW
		LCKM2		<input type="checkbox"/> 347	<input type="checkbox"/> 3-90	<input type="checkbox"/> GREEN RAL-6005-T	<input type="checkbox"/> PHOTO CELL + VOLTAGE (EXAMPLE: PC120V)... PC+V
		<input type="checkbox"/> 64LED (72 Watts)		<input type="checkbox"/> 480	<input type="checkbox"/> 3-120		<input type="checkbox"/> 10KV SURGE PROTECTOR... 10SP
		<input type="checkbox"/> 48LED (53 Watts)			<input type="checkbox"/> 4-90		<input type="checkbox"/> 20KV SURGE PROTECTOR (277V & 480V Only)... 20SP
		Wattages are Max Input Watts			WALL MOUNT	FOR SMOOTH FINISH REMOVE SUFFIX "T" (EXAMPLE: RAL-9500)	
					<input type="checkbox"/> WM	SEE USALTG.COM FOR ADDITIONAL COLORS	